

Title (en)

MOLD CORE ARRANGEMENT FOR PRODUCING A CYLINDER CRANKCASE WITH A SEPARATE WATER COOLING AREA

Title (de)

FORMKERNANORDNUNG ZUR HERSTELLUNG EINES ZYLINDERKURBELGEHÄUSES MIT GETRENNTEN WASSERKÜHLUNGSBEREICH

Title (fr)

SYSTEME DE NOYAU POUR PRODUIRE UN CARTER DE VILEBREQUIN DE CYLINDRE A ZONE DE REFROIDISSEMENT PAR EAU SEPARÉE

Publication

EP 1578549 A2 20050928 (DE)

Application

EP 03769281 A 20030917

Priority

- DE 10245956 A 20021002
- EP 0310310 W 20030917

Abstract (en)

[origin: DE10245956A1] A method for casting a cylinder block with separate water jackets (6.1, 6.2) on each side of the block, for an IC engine, has metal ties (8) inserted into each end of the core mould, to join the water jackets. The metal ties are made of thin metal sheet with the thickness sufficient to stabilise the cores and to maintain the relative positions of the water jackets. The ties are removed by the molten charge during pouring of the casting. The separated water jackets have a different thickness for different flow rates, e.g. in a V-engine the inner sides of the blocks require more cooling than the outer sides.

IPC 1-7

B22C 9/10

IPC 8 full level

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CPC (source: EP)

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CN106862494A; CN106270399A

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DOCDB simple family (publication)

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